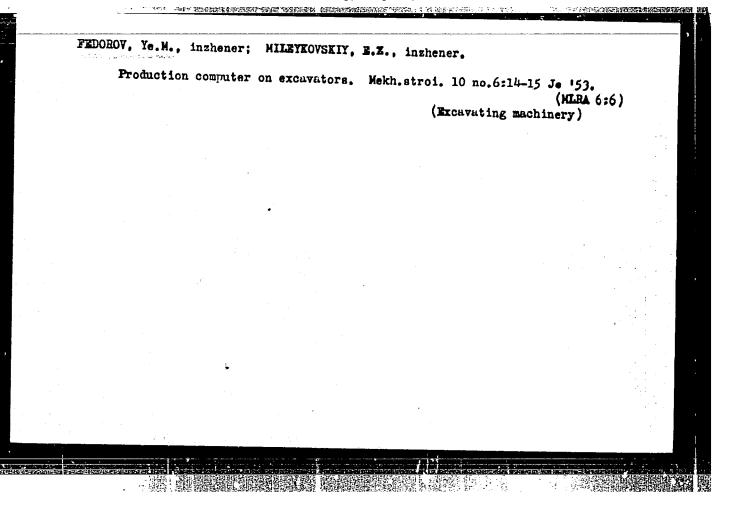


YAKERSON, Matvey Semenovich; TSTEUL'SKIY, Yladimir Abramovich. Prinimali uchastiye: LABUDIN, I.A.; FEDOROV, Is.L.; KELLO, I.O.; CHIZHEVEKIY, A.L.; POLEROY, A.N.; HIKITIN, W.H.; IYANOV, I.I.; GETET, N.V.; FEDOROV, Yo.Y.; FEDOSOV, M.G. IEG. ROVA, K.I., red.; CHCSHKO, M.G., tekhn.red,

["he "Xnamia Truda" Factory; a brief account of the "Znamia Truda" Armature Factory in Leningrad] Znamia truda; kratkii ocherk istorii leningradskogo armaturnogo mavoda "Znamia truda," 1960. 207 p.

(Leningrad--Factories)

(Leningrad--Factories)

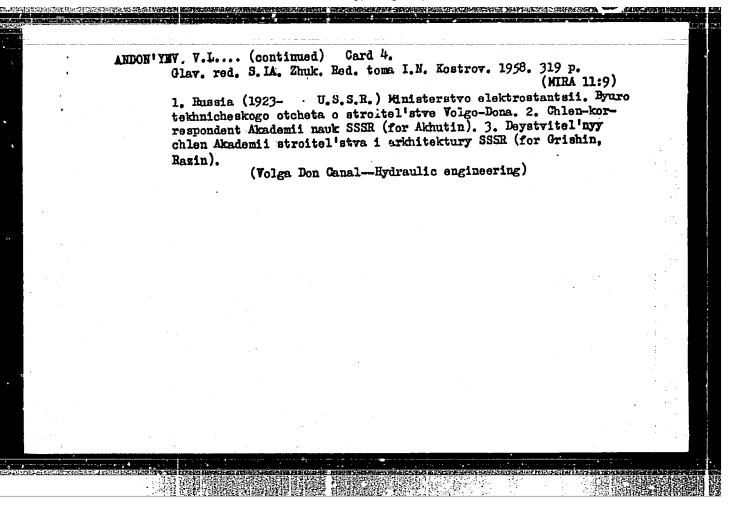


ANDON'YEV, V.L.; HAUM, V.A.; BAUMGARTEN, N.K.; BEREZIN, V.D.; BIRYUKOV, I.K.: BIRYUKOV, S.M.; BLOKHIN, S.I.; BOROVOY, G.A.; BULEV, M.Z.; BURAKOV, N.A.; VERTSAYZER, B.A.; VOVK, G.M.; VORMAN, B.A.; VOSHCHININ, A.P.; GALAKTIONOV, V.D., kand. tekhn. nauk; GENKIN, Ye.M.; GIL'DENBLAT, Ya.D., kand. tekhn. nenk; GINZBURG, M.M.; GLEBOV, P.S.; GODES, E.G.; GOERACHEV, V.N.; GRZHIB, B.V.; GEEKULOV, L.F., kand. s.-kh. nauk; GRCDZENSKAYA, I.Ya.; DANILOV, A.G.; DMITRIYEV, I.G.; DMITRIYENKO, Tu.D.; DOBROKHOTOV, D.D.; DUBININ, L.G.; DUNDUKOV, M.D.; ZHOLIK, A.P.; ZENKEVICH, D.K.; ZIMAREV, Ye.V.; ZIMASEOV S.V.; ZUBRIK, K.M.; KARANOV, I.F.; KNYAZEV, S.N.; KOLEGAYEV, N.V.; ROMAREVSKIY, V.T.; KOSHNKO, V.P.; KORENISTOV, D.V.; KOSTROV, AOTLYARSKIY, D.M.; KRIVSKIY, M.H.; KUZNETSOV, A.Ya.; IAGAR'KOV, N.I.; IGALOV, V.G.; LIKHACHEV, V.P.: LOCUNOV, P.I.: MATSKEVICH, K.F.: MEL'HICHENKO, K.I.: MENDELEVICH, I.R.; MIKHAYLOV, A.V., kand. tekhn. rauk; MUSIYEVA, R.F.: NATANSON, A.V.: NIKITIN, M.V.; OVES, I.S.; OGUL'NIK, G.R.; OSIPOV, A.D.; OSMER, N.A.; PETROV, V.I.; PERYSHKIN, G.A. prof : P'YANKOVA, Yo.V.; RAPOPORT, Ya.D.; REMEZOV, N.P.; ROZANOV, M.P., kaud. biol. nauk; ROCHEGOV, A.G.; RUBINCHIK, A.M.; RYBCHEVSKIY, V.S.; SADCHIKOV, A.V.; SEMENTSOV, V.A.; SIDENKO, P.M.; SINYAVSKAYA, V.T.; SITAROVA, M.N.; SOSNOVIKOV, K.S.; STAVITSKIY, Ye.A.; STOLYAROV, B.P. [deceased]; SUDZILOVXXIY, A.O.; SYRTSOVA, Ye.D., kand. tekhn. nauk; FILIPPSKIY, V.P.; KHALTURIN, A.D.; TSISHEVSKIY, P.M.; CHERKASOV, M.I.; CHERNYSHEV, A.A.; CHUSOVITIN, N.A.; SHESTOPAL, A.O.; SHEKHTER, P.A.; SHISHKO, C.A.; SHCHERBINA, I.N.: ENGEL', F.F.: YAKOBSON, A.G.; YAKUBOV, P.A., ARKHANGEL'SKIY, (Continued on next card)

ANDON'YHY, V.L... (continued) Card 2. Ye.A., retsenzont, red.; AKHUTIN, A.N., retsenzent, rad.; BAIASHOY, Yu.S., retsencent, red.; BARAHANOV, V.A., retsenzent, red.; BATUHER, P.D., retsenzent, red.; BORODIN, P.V., kand. tekhn. nauk, ressenzent, red.; VALUTSKIY, I.I., kand. tekhu. nauk, retsenzent, red.; GRIGOR'YEV. V.M., kand. tekhn. neuk, reteenzent, red.; GUEIN, M.F., retsengent, red.; OUDAYEV, I.N., netsengent, red.; YERMOLOV, A.I., kand. tekin. nauk, retsenzent, red.; KARAULOV, B.F., retsenzent, red.; KRITSKIY, S.N., doktor teldm. nauk, retsenzent, red.; LIKIN, V.V., retsenzent, red.; LIKIN, V.V., rotsenzent, red.; LIKIN, Z.D., retsenzent, red.; MATRIROSOV, A.Kh., retsenzent, red.; MENDELEYEV, D.M. retsenzent, red.; MARKEL', M.F., doktor tekhu. uauk, retsenzent, red.; OBREZKOV, S.S., retcenzent, red.; PETRASHEN', P.N., retgenzent, red.; POLYAKOV, L.M., retsenzent, red.; RUMYANTSKY, A.M., retsenzent, red.; HYABOHIKOV, Ye.I., retsenzent, red.; STASHNKOV, N.G., retsenzent, red.; TAKANAYEV, P.F., refsonment, red.; TARANOVSKIY, S.Y., prof., doktor tekhn. nauk, retsenzent, red.; TIZDEL', R.P., retsenzent, red.; FEDOROV, Ye.M., retsenzent, red.; SHEVYAKOV, M.N., retsenzent, red.; SHMAKOV, M.I., retsenzent, red.; ZHUK, S.Yo. [deceased], akademik, glavnyy red.; HISSO, G.A., kand. tekhn. nauk, red.; FILIMONOV, N.A., red.; VOLKOV, L.N., red.; GRISHIN, M.M., red.; ZHURIN, V.D., prof., doktor tekhn. nauk, red.; KOSTROV, I.N., red.; LIKHACHEV, V.P., red.; MEDVEDEV, V.M., kand. tekhn. nauk, red.; MIKHAYLOV, A.V., kand. tekhir. nauk, red.; PATROV. G.D., red.; RAZIN, N.V., red.; SOBOLEV, V.P., red.; FERINGER, B.P., red.; FREYGOFER, (Continued on next card)

ANDON'YMV, V.L... (continued) Card 3.
Ye.F., red.; TSYPIAKOV, V.D. [decembed], red.; KORABLINOV, P.N.,
tekhn. red.; GENKIN, Ye.M., tekhn. red.; KACHEROVSKIY, N.V., hekhn.
red.

[Volga-Don; technical account of the construction of the V.I. Ienin Volga-Don Navigation Canal, the TSimlyansk Hydroelectric Center, and irrigation systems] Volgo-Don; tekhnicheskii otchet o stroitelestve Volgo-Don; kogo sudokhodnogo kanala imeni V.I. Ienina, TSimlianskogo gidroutla i orositelenykh sooruthenii, 1949-1952; v piati tomakh. Moskva, Gos. energ. izd-vo. Vol.1. [General structural descriptions] Obshchee opisanie sooruthenii. Glav. red. S.IA. Zhuk. Red. toma M.M. Grishin. 1957. 319 p. Vol.2. [Organization of construction. Specialised operations in hydraulic engineering] Organizatsiia stroitelestva. Spetsialenye gidrotekuicheskie rabovy. (Continued on next card)



8/589/62/000/058/002/002 A001/A101

AUTHORS:

Panchenko, N. I., Fedorov, Ye. P.

TITLE:

On determining the coordinates of the pole for time service

SOURCE:

USSR. Komitet standartov, mer i izmeritel'nykh priborov. Trudy institutov Komiteta, no. 58 (118), 1962, Issledovaniya v ob-

lasti izmereniy vremeni, 39 - 64

TEXT: The first chapter contains the history of the problem of determining pole coordinates for the purposes of time service and the criticism of the activities of the International Latitude Service, SIL, which did not assure the furnishing of necessary data for time service. As this drawback was evident for the Soviet astronomers, the 10th All-Union Astronomical Conference, held at Pulkovo on December 8 - December 11, 1952, elaborated the plan and principal lines for activities of the Soviet Latitude Service, which are described in the second chapter. The latter started operations in May 1953 after the approval of the plan by the 'Astronomical Council at the AS USSR. The Soviet Latitude Service carried out calculations of preliminary pole coordinates by A. Ya. Orlov's method which is based

Card 1/4

On determining the coordinates of the...

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on two main assumptions: 1) The annual component of the pole motion is assumed to proceed along an ellipse whose shape and orientation relative to the Earth do not change, and 2) the Chandler component is described, within short time intervals, by a circular and uniform motion; equations of both elliptic and circular motion are given, and a numerical example of calculation by Orlov's method of pole coordinates from 1952.6 to 1953.7 is presented. The Soviet Latitude Service uses the data furnished by the following institutions: 1) The Main Astronomical Observatory, AS USSR, at Pulkovo, 2) The Gravimetric Observatory, AS UkrSSR, at Poltava, 3) The Astronomical Observatory imeni Engel gardt at Kazan', and 4) the Latitude Station imeni Ulug-Bek at Kitab. The authors discuss the nature and variations of the non-polar component of latitude variations, the so-called Kimura z-term, and point out that prior to 1958 the calculation of pole coordinates by Orlov's method was performed after excluding the z-term, but since 1958 this practice was changed and the z-term has not been excluded in calculations. The third chapter describes the organization of the Rapid Latitude Service, SIR, by the 9th Congress of the International Astronomical Union, which started speedy calculations of pole coordinates in January 1956. The authors criticize the basic operational principle laid by Director of the Central Bureau of SIL, Cecchini, Card 2/4

On determining the coordinates of the... S/589/62/000/058/002/002

A001/A101

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consisting in requirement that the polhody of the International Latitude Service should serve as a test for the correctness of the results obtained by SIR. The inadequacy of this assumption, in the authors opinion, follows from the incorrect assumption, by Cecchini, of the permanence of mean values of latitudes of the stations. They describe also the methods used by Director of the International Time Bureau, N. M. Stoyko, for calculating the mean coordinates of the pole based on observations with zenith-telescopes at Belgrad, Carloforta, Kitab, Midzusava, Poltava, Pulkovo, with photographic zenith-telescopes at Washington, Greenwich, Ottawa, Richmond, Tokio, and Danjon prismatic astrolabes at Algiers and Paris. The fourth chapter deals with reduction of pole coordinates to a common system. It consists of two problems: 1) reduction to the mean pole of the epoch of observations, and 2) reduction to the mean pole of some initial epoch. The first problem was completely solved by Orlov whose method is briefly outlined. The second problem is considered as being not yet solved, and the procedure used by Cecchini of reducing the observations to the "barycenter of the 1900-1905 polhody" 'is criticized as being not correct. The authors illustrate their statement by presenting the graph of pole motion according to calculations by the International Time Bureau, Soviet Latitude Service and International Latitude Service, which Card 3/4

On determining the coordinates of the ...

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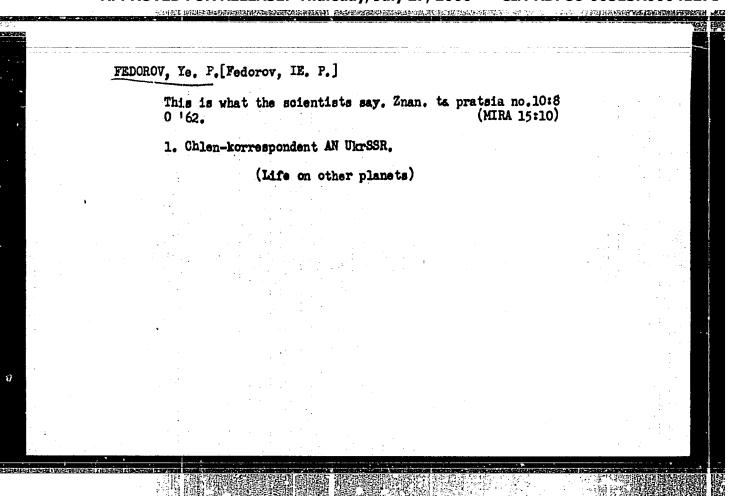
shows the divergence of the polhody calculated by the latter from the former.

two. The fifth and sixth chapter deal with estimates of the accuracy of determination of pole coordinates and their extrapolation to the future. It is concluded that extrapolation is admissible only for short time periods, not exceeding 0.5 years, which is sufficient for practical purposes. In conclusion the authors advance a proposal of establishing a scientific center for the assembly and analysis of all latitude observations and performance of fundamental research. There are 3 figures and 9 tables.

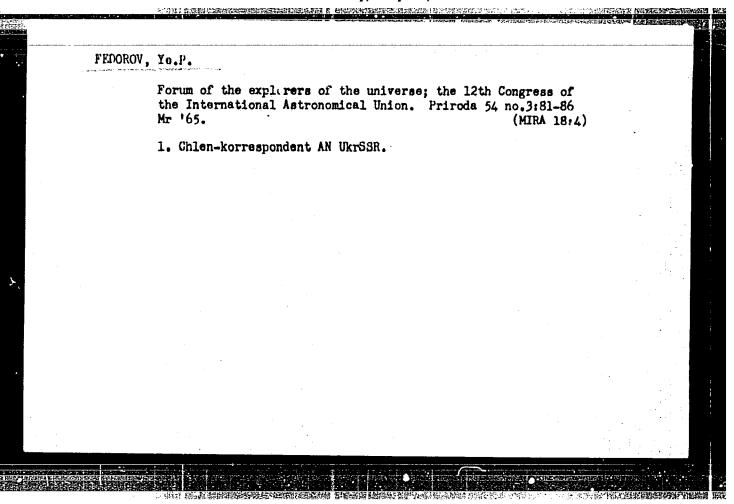
Card 4/4

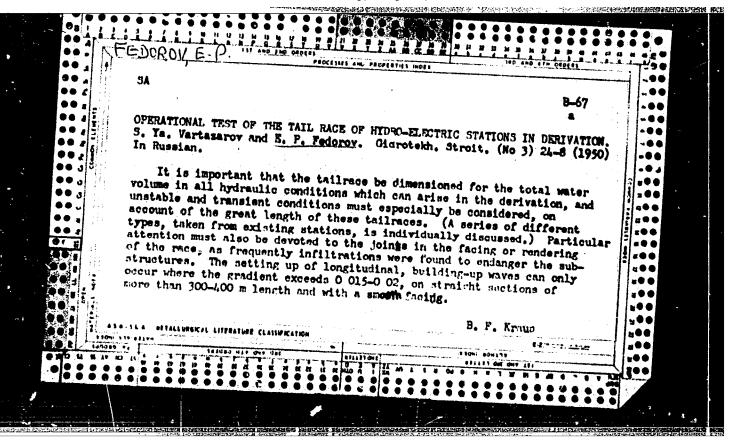
## Experience in the operation of ZhR-5 transmitter-receiver sets. Avtom., telem.i svim's 6 no.11:39-40 N '62. (MIRA 15:11) 1. Stershiy inshener Likhoborskoy distantsii signalizatsii i svymi Moskovskoy dorogi. (Railroads—Electronic equipment) (Railroads—Communication systems)

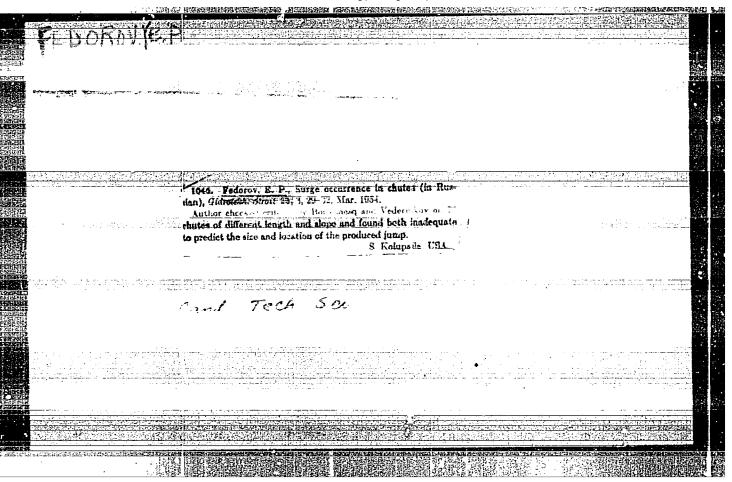
# An antenna mast for the ZhR-5 radio transmitter. Avtom., telem. i sviaz' 7 no.1:39 Ja '63. (MIRA 16:2) 1. Starshiy insh. distantsii signalizatsii i svyazi Moskovsko-Ckruzhnogo otdeleniya Moskovskoy dorogi. (Railroads—Communication systems) (Radio—Antennas)

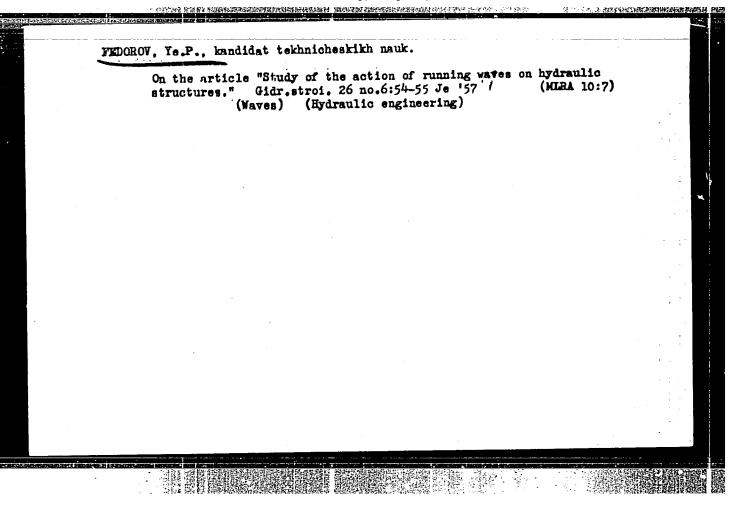


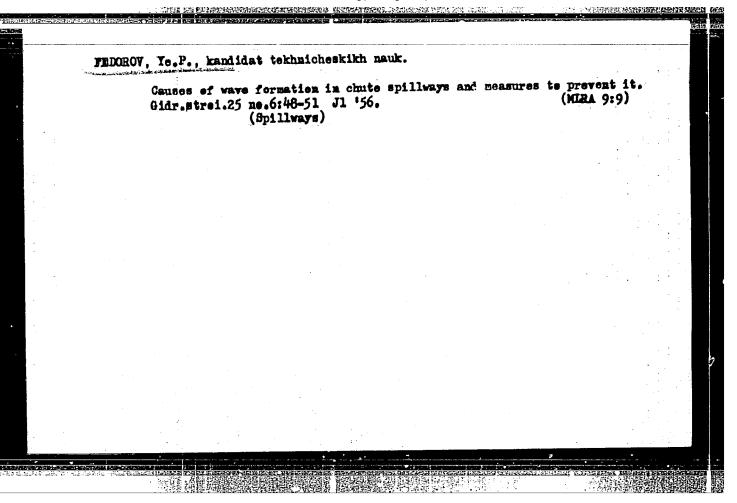
	FEDORO	DOROV, Ye. P.						
		How we have increased the operational reliability of loudspeaker announcing systems. Avtom. telem. i sviaz! 8 no. 3:36-37 Mr 164.  (MIRA 17:5)						
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SOV/98-59-8-13/33

3(5), 30(1) AUTHOR: Fedorov, Ye.P., Candidate of Technical Sciences

TITLE:

Wave-Formation in Fast-Flowing Rivers

PERIODICAL:

Gidrotekhnicheskoye stroitel'stvo, 1959, Nr 8, pp 48-49 (USSR)

ABSTRACT:

This is an answer to a critique by M.R. Razumovskaya (Ref.1) of an article on wave-formation in fast-flowing rivers (Refs.2 and 4) and reproaches her for rejecting without proof, many of the conclusions drawn in articles by the author of the article. These included the importance of the area covered by the current, for which Razumovskaya replaces the index of area RoHo by Ho/6. However, this is criticized on the ground that it does not take the shape of the cross-section of the river-bed into consideration, as well as the breadth and depth. The suggested causes of wave-formation are found to be incorrect, or rather, incompletely researched, factors such as energy produced, the speed and the length of the stream flow being ignored. Razumovskaya also incorrectly criticized fig.2 in the original article, but her proposed project for the wave stream, given in fig.1 of her critique, is rejected as being unrealistic, since it shows no turbulence on the river-bed. She is also criti-

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Wave-Formation in Fast-Flowing Rivers

Card 2/3

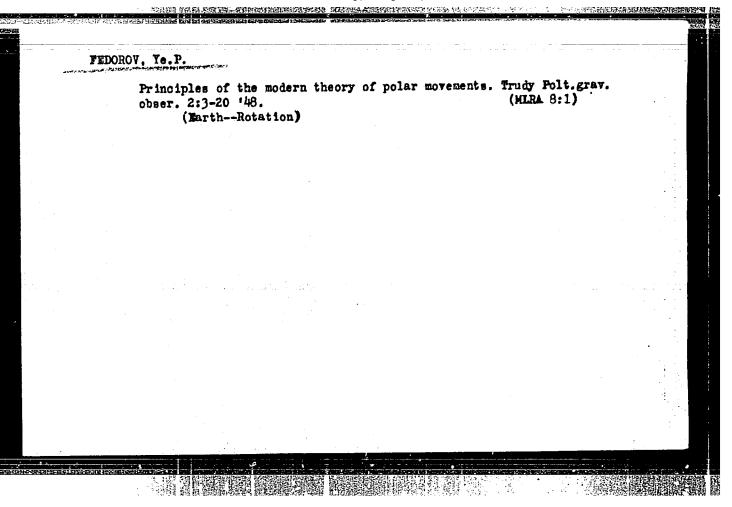
cized for failing to pay enough attention to the variation in depth, speed and volume of the current between the crest and the "tail" of waves, and for not fully understanding statements by Vedernikov and Kornish on wave-formation and the relation between energy and erosion, which she quoted. The author states that the reasons for waveformation given in ref.2 are based on work by Vedernikov, Dressler, Kornish and research by the TNISGEI (Tiflis Scientific Research Institute of Construction and Hydraulic Power). The next point of criticism is that the critique by Razumovskaya contained certain false data concerning wave-structure, the effect of aeration, etc, particularly the contention that the power of wave-formation depends on the purely arbitrary value  $Q_{\rm resch}$  . The author cites the examples of the Tsnori, Bershryetskaya, Saksan, and Ezminskaya rivers, where the stream flow is less than 25% of Qrasch, and the Staraya, and Novaya Achalukskaya and Tetrikhevskaya, where it amounts to more than 40%. The statement that wave-formation decreases as the inclination of the river-bed increases is also refuted, the reverse being actually the case, in addition to the contention that there is no connec-

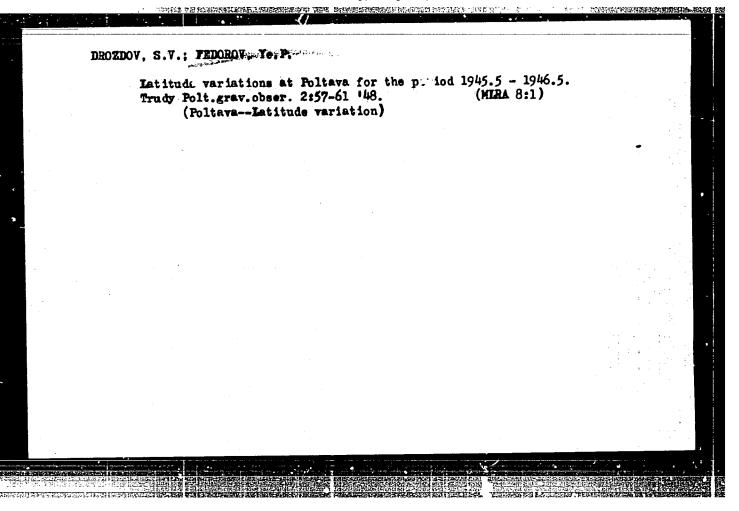
SOV/98-59-8-13/33

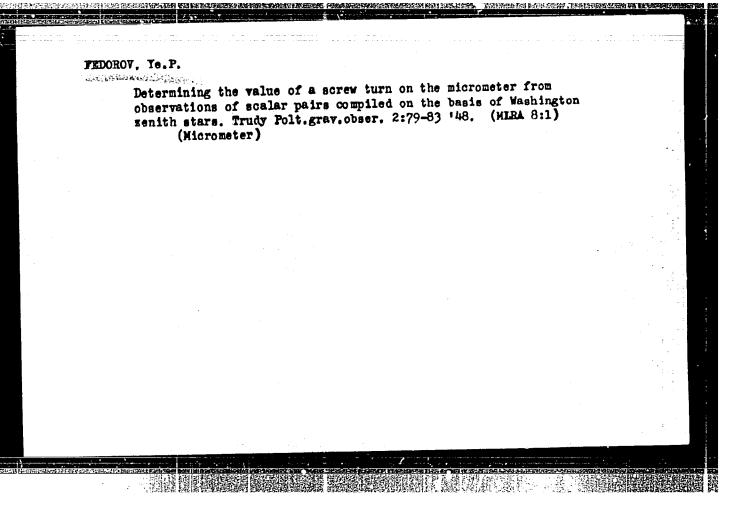
Wave-Formation in Fast-Flowing Rivers

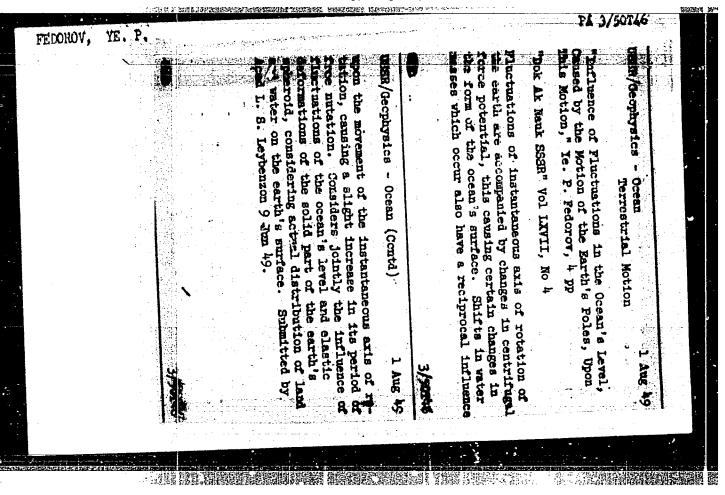
tion between the speed of the current and wave-formation. The author/concludes with some general remarks on the criticized article's lack of specific evidence in the form of graphs, indications of research methods used, etc., pointing out that the reason that some of the data provided is so difficult to understand is due to erroneous measuring carried out at the GruzNIIGiM. A short summary of the initial arguments is given at the end. There are 4 Soviet references.

Card 3/3









PEDOROV. Ye.P.

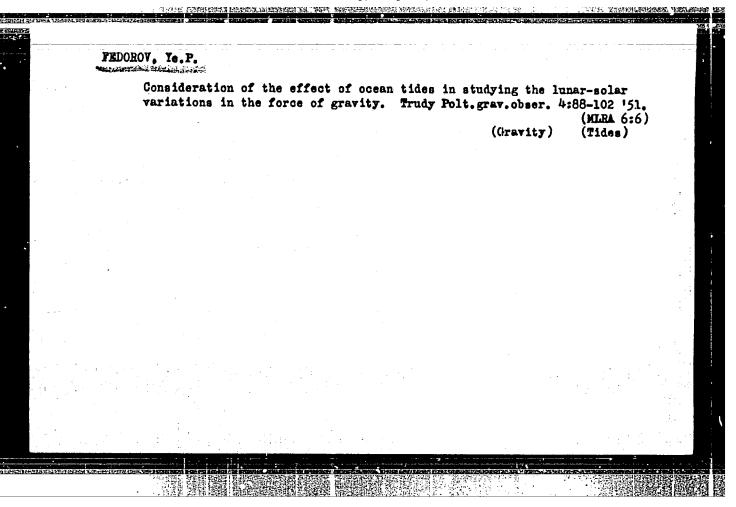
Causes for changes in the inclination of the axis and azimuth of meridian instruments. Trudy Polt.grav.obser. 3:126-148 '50. (MIRA 8:1)

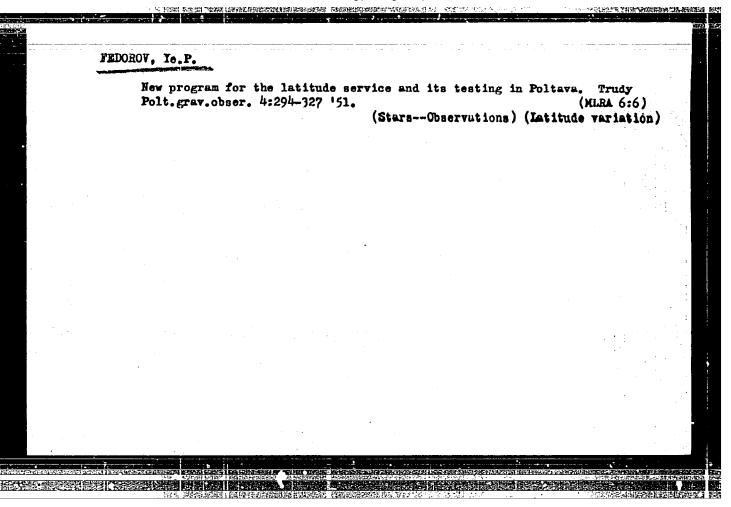
PEDOROV, Ye.P.; KULAGIN, S.G.

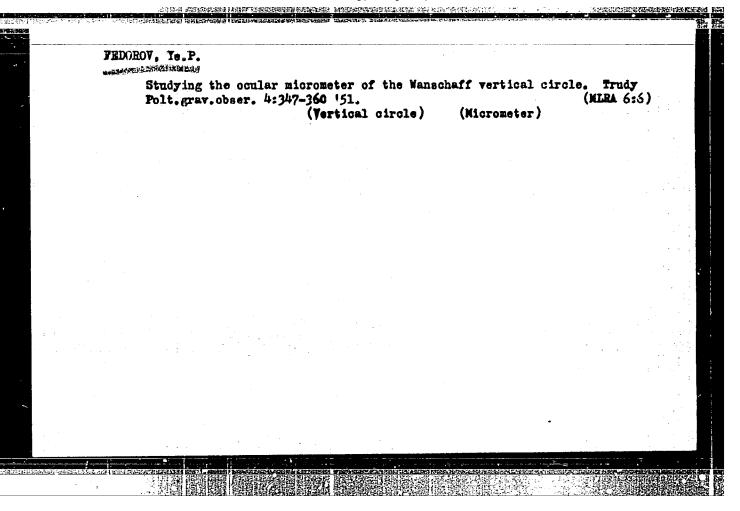
APPROVE TO September 1, 1950. Astron.tsir. no.105:4-5 S '50. (MLRA 6:8)

1. Poltavskaya Observatoriya.

(Poltava--Latitude variation) (Latitude variation--Poltava)







USSR/Astronomy - Mutation 1 Oct 51

"Separate Determination of the Coefficients of the Main Terms of Nutation in Declination and Longitude," Ye. P. Fedorov, Poltava Obs of Acad Sci. Ukrainian SSR

"Dok Ak Nauk SSSR! Vol LXXX, No 4, pp 569-572

Investigates the error in nutation for various errors in the other variables measured. Compares results with actual observations. Submitted 5 Jul. 51 'y Acad V. G. Fesenkov.

- 1. FEDOROV, Ye. P.
- 2. USSR (600)
- 4. Poltava Latitude Variation
- 7. Latitude variations for Poltava in 1950. Astron.tsir, No. 110, 1951.

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9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

### "APPROVED FOR RELEASE: Thursday, July 27, 2000

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FEDGROV, YE. P.

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USSR/Academy of Sciences

Sep 52

"Third Conference on Latitudes," Ye. P. Fedorov, Cand Phys-Math Sci

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West Ak Nauk SSSR, No 9, p 117

The following two reports were read at the Third All-Union Conference on Latitudes in Poltave: K.A. Kulikov, Dr Phys-Math Sci, "Latitude Service - International and Soviet"; Ye. P. Fedorov of the Poltava Gravinetric Observatory, "Study of the Inner Structure of the Earth by Methods of Astronomy and Gravimetry." A new method for determining the coordinates of poles was proposed by A. Ya. Crlcv, Corr Mem, Acad Sci USSR

251T82

fedoro7, T.

- 1. FEDOROV. YE. P. and YEVTUSH YENKO, YE. I.
- 2. USSR (600)
- 4. Latitude Variation-San Pietro, Italy
- 7. Semimonthly lunar variations in latitude bases on observations made at stations in Carloforte and Ukiah from 1899-1934. Astron.tsir. no. 126, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

- 1. FEDOROV, Ye. P.
- 2. USSR (600)
- 4. Poltava Latitude Variation
- 7. Letitude variations at Poltava from simultaneous observations on two zanith telescopes during the period 1950.9--1952.2. Astron.tsir. No. 126, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953. Unclassified.

UBR/Astronomy - Geographical

FEDOROV, Ye P.

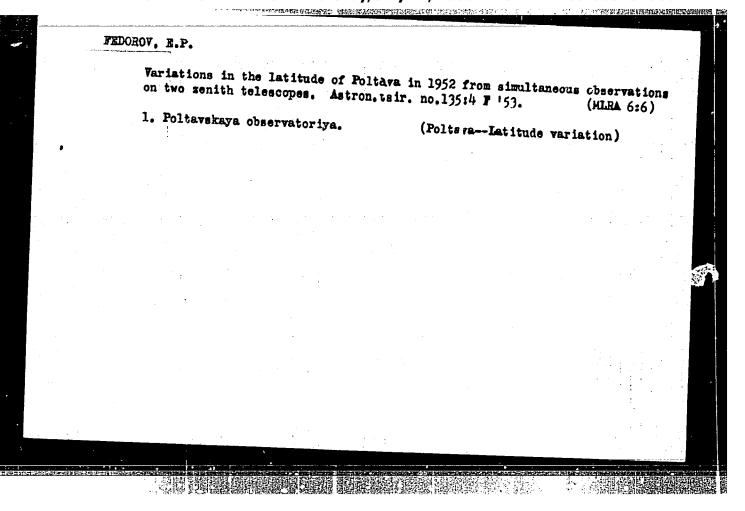
1 Aug 53

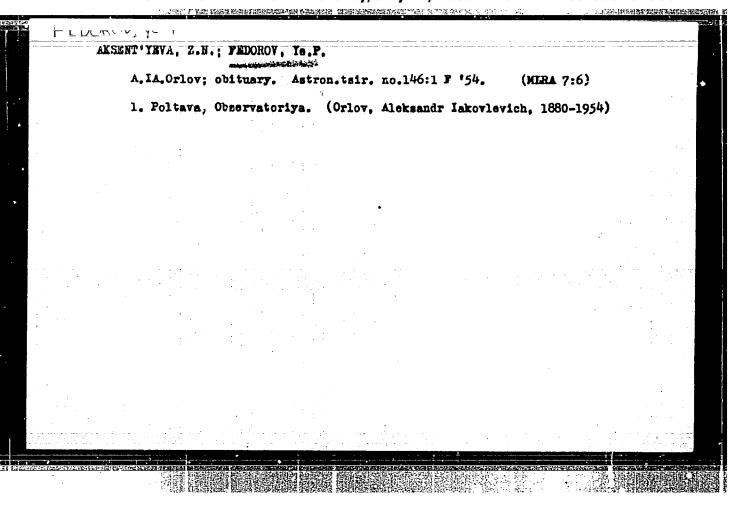
"Slow Non-Polar Variations of Latitudes," Ye. P. Federov, Poltava Obs Acad Sci USSR

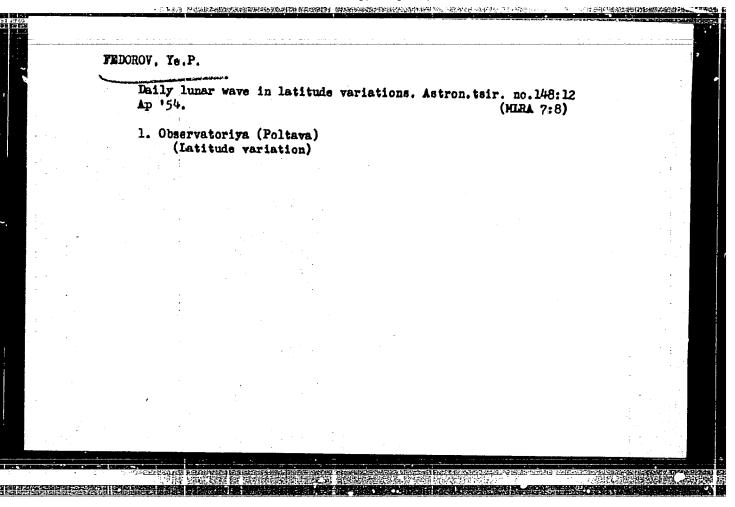
DAN SSSR, Vol 91, No 4, pp 759-762

Outlines results of observational analysis of the Central Bureau of International Latitude Service which confirm correctness of principles introduced by the Poltava program and correctness of suggestions for changes in the program of MSSh introduced by Soviet astronomers. Presented by Acad V. G. Fesenkov, 5 Jun 53.

272T33







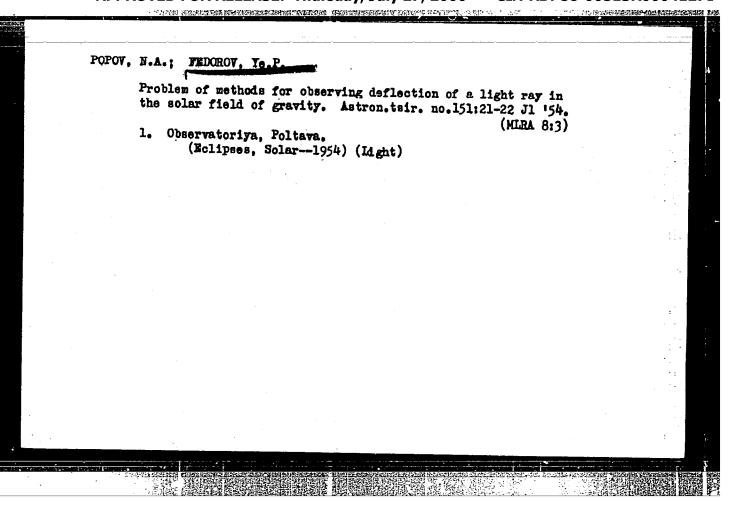
# PEDOROV, Ye.P. Results of observations made on two senith telescopes at Poltava from 1949.8 to 1954.2. Astron.tsir. no.149:7-8 My 154. (MLRA 7:7) 1. Poltava, Observatoriya. (Poltava—Latitude variation) (Latitude variation—Poltava)

FEDOROV, Ye.P.; PANCHENKO, N.I.

Motion of the pole in 1952 from data of the International and Soviet Latitude Service. Astron.tsir. no. 1/19:8-10 My '54. (MERA 7:7)

1. Poltava, Observatoriya.

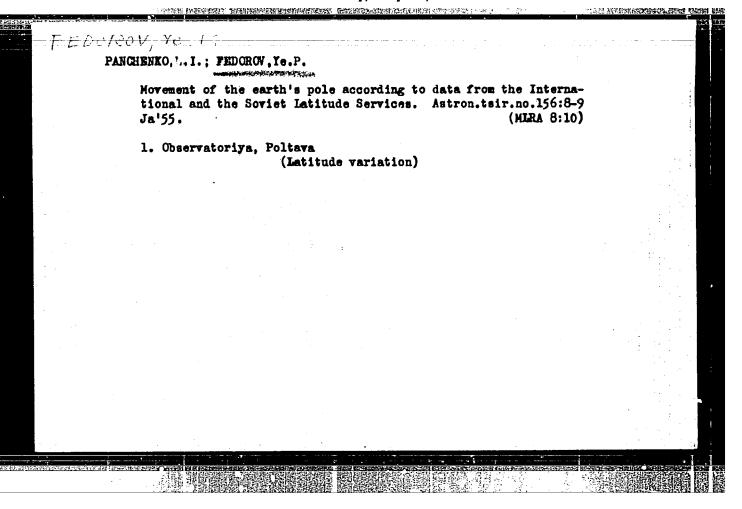
(North Pole)

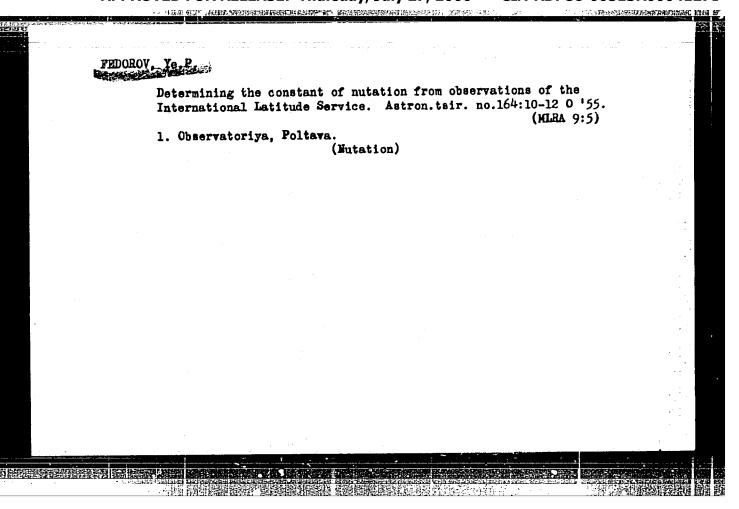


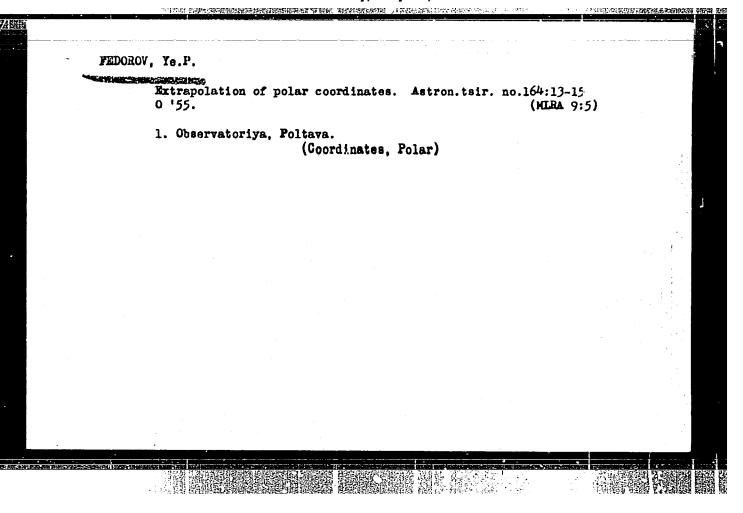
PEDOROV, Ye.; YEVTUSHENKO, Ye.

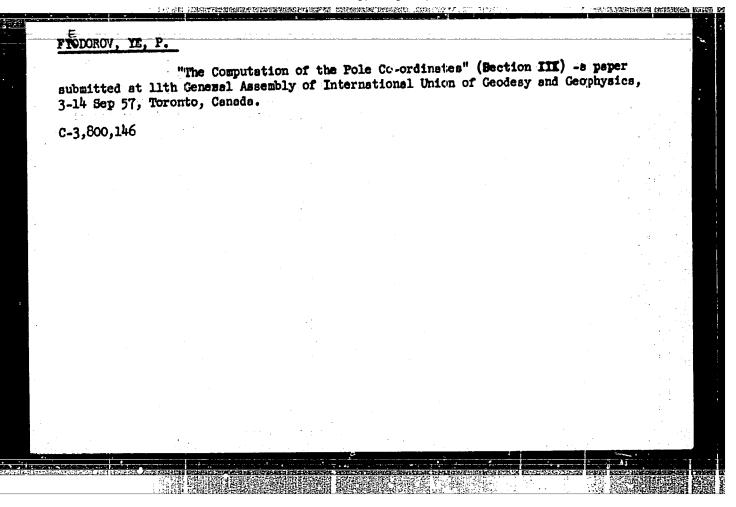
Daily latitude variations according to observations made on two senith telescopes at Poltava. Astron.tsir. no.152:17-18 S 154.

1. Poltava observatoriya.
(Poltava—Latitude variation)









PEDOROV, Ye. P. Doc Phys-Math Sci -- (diss) "Nutation and forced movement of the earth's poles according to data of latitudinal observations."

Pulkovo, 1957. 14 pp (Acad Sci USSR. Main Astronomic Observatory), 100 copies (KL, 44-57, 98)

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"Computing the Coordinates of the Pole," The International Association of Geodesy; Abstracts of the Reports of the XI General Assembly of the International Union of Geodesy and Geophysics, Moscow, Izd-vo AN SSSR, 1957. 63 p.

The systematic errors in the corrdinates of the Pole published by the Central Bureau of the International Latitude Service (IIS) are caused by an insufficient number (3-6) of observations. The regular latitude observations are now conducted at 13 stations and will be increased probably to more than 20 during the IGY. With a sufficiently large number of stations participating in this program, the inherently weak loop method of calculations is still the most acceptable as some difference in the systems of declinations at various stations will not significantly affect the results. Mean latitudes are determined by A Orlov's method.

EDOROV,

20-6-9/48

AUTHOR:

TITLE:

On the Forces of Interaction Between the Earth's Core and Crust

Occurring in Consequence of the Nutation (O silakh vzaimodeystviya yadra i obolochki zemli, voznikayushchikh

vsledstviye nutatsii)

Doklady AN SSSR, 1957, Vol. 115, Nr 6, pp. 1084-1087 (USSR) PERIODICAL:

ABSTRACT:

When investigating the rotational motion of the earth's crust it is necessary to consider the effect of the exterior disturbing forces of attraction of the moon and the sun and also the forces of interaction between crust and core. At first formulae for the temporary modification of the kinetic moment of the earth's crust and of the kinetic moment of the whole earth aregiven. It is not possible to determine the coefficients of all mutation terms from the observations and therefore the author confined himself to the determination of the fundamental terms and of the half-month terms. The result obtained can be described as follows: The mobility of the earth's core with regard to the earth's crust has the following effects: 1) An extension of the modulus of the vector  $\overrightarrow{U}_1 = 0$ ",217 $\alpha g_g e^{+i\alpha t}$  (Here  $g_g$  denotes the modulus of the

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On the Forces of Interaction Between the Earth's Core and Crust Occurring in Consequence of the Nutation.

vector G, that is, of the kinetic moment of the earth's crust; moreover it is valid N=at, where t denotes the time). The moment occurring in consequence of the fundamental nutational motion can be described as a sum of  $V_1 + V_2$ . Here it is valid  $V_2 = -0^n$ ,  $0.032az_8e^{-iat}$ . 2) The inversion of the direction of the vector  $V_1$ . (Here the moment occurring in consequence of the half-monthly nutation can be put down in the form of the sum  $V_1 + V_2$  with  $V_1 = 0^n$ , 0.023  $\beta g_8 e^{+i\beta t}$ ,  $V_2 = -0^n$ ,  $0.001\beta g_8 e^{-i\beta t}$ .

3) The derivation of  $V_1$  and  $V_2$  to that side which is contrary to the direction of rotation of these vectors with regard to the earth. An exact conformity of the theoretical conclusions with the observations cannot be expected because of the rough model that has been applied here. For further precision of these results it is necessary to analyse new data of observations. There are 9 references, 5 of which are Slvic.

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20-6-9/48

On the Forces of Interaction Between the Earth's Core and Crust Occurring in Consequence of the Nutation.

ASSOCIATION: Poltava Gravimetric Observatory, AN of the Ukrainian SSR

(Poltavskaya gravimetricheskaya observatoriya AN USSR)

PRESENTED: By Academician V.G.Fesenkov, April 2, 1957

SUBMITTED: April 1, 1957.

AVAILABLE: Library of Congress

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# Fedorov, Yevgeniy Pavlovich

Nutatsiya i vynuzhdennoye dvizheniye polyusov zemli po dannym shirotnykh nablyudeniy (Nutation and Forced Motion of the Earth's Joles Based on Data from Latitude Observations) Kiyev, Izd-vo AN Ukrainskoy SSR, 1958. 142 p. 1,000 copies printed.

Sponsoring Agency: Akademiya nauk Ukrainskoy SSR. Poltavskaya.
- gravimetricheskaya observatoriya. Resp. Ed.: Aksent'eva, Z.N., Corresponding
Member AN Ukr SSR

PURPOSE: The book is intended for scientists and graduate students worling in the field of astronomy and geophysics.

COVERAGE: The author develops a theory of rotation for an elastically deformable Earth and compares his conclusions with the results of latitudinal observations. Such observations are utilized to determine independently the coefficients of the main members of nutation in an inclined plane and I ugitude. The author discusses the phase retardation of nutation and formulates equations for the forced-movement of the Earth's poles. This study leads to several conclusions affect-

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# Nutation and Forced Motion (Cont,) 1189 ing our understanding of the interaction between the Earth's core and mantle. The work includes 17 figures and 30 tables. Scientists mentioned: N.I. Idel'son. N.A. Popov. There are 59 references, of which 20 are Soviet, 24 English, 2 10 German, 4 French, and 1 Czech. TABLE OF CONTENTS: Introduction 3 Ch. 1. Theory of the Rotational Moviment of a Perfectly Elastic Earth 8 8 1. Derivation of movement equations of the earth's kinetic moment 2. Tensor variations of the Earth's inertia with Earth deformations 10 3. Precession and nutation equations 14 4. Differential equations of the Earth's kinetic moment movements relative to the Earth itself 17 5. Integration of Equations of the relative movement of the kinetic moment 19 6. Movement of the poles in an elastic deformable Earth 21 Ch. II. Main Nutation Members 25 Card 2/

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THE PARTY PROPERTY AND A PARTY OF THE PARTY 'AUTHOR: Fedorov, Ye.P. SOV/10-59-1-5/32 TITLE: Some Problems of the Physics of the Earth at the Tenth Congress of the International Astronomical Union (Nekotoryye problemy fiziki zemli na X s"yezde mezhdunarodnogo astronomicheskogo soyuza) PERIODICAL: Izvestiya Akademii Nauk SSSR, Seriya geograficheskaya, 1959, Nr 1, pp 48-51 (USSR) ABSTRACT: This article gives a brief account of the activity of the above-named congress, which took place in Moscow from 12 to 20 August 1958. Among other things, it dealt with irregularities in the rotation of the earth and studies in the movements of the earth's poles. The congress was attended by a number of astronomers, that included L. Essem and G. Dzheffris from England, A. Danzhon and N.M. Stoyko Card 1/2

SOV/10-59-1-5/32

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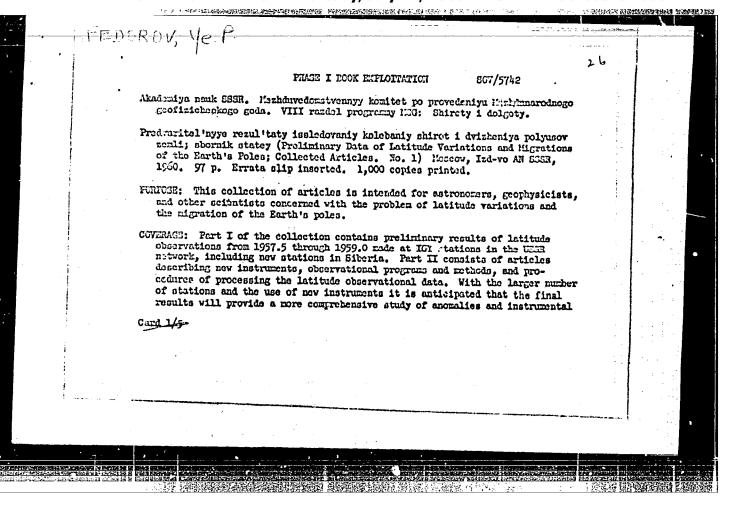
Poltavskaya gravimetricheskaya observatoriya AN UkrSSR (Gravimetric Observatory of the AS UkrSSR,

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Siyanoring Agency: Akademiya nauk 650A. Glavneya estremenicheskaya observatoriya (Pulkovo).

Resp. Ed.: M. S. Zvorev, Correspending Member, Academy of Sciences USSR; Ed. of Publishing House: M. K. Zwychik; Tech. 22.: R. A. Zemarqyva.

FULPOSE: The book is intended for estrememers and astrophysicists, particularly those interested in astrometrical research.

CO/EMAGE: This publication presents the Transactions of the 14th Astrometrical Conference of the USSR, held in Klyev 27-30 Mey 1956. It includes 27 reports and 55 scientific papers presented at the plenary meeting of the Conference Card 2/-5

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PEDOROV, Ye.P., doktor fisiko-matem.nauk

Forty-five hundreland forty kilograms are in orbit. Znan.ta pratsia no.7:3 Jl '60. (MIRA 13:8)

1. Direktor Glavnoy astronomicheskoy observatoii An USSR. (Artificial satellites)

ORLOV, Aleksandr Yakovlevich, zasl. deyatel' nauki USSR [1880-1954]; Ak-SENT'YEVA, Z.N., otv. red.; LAVRENT'YEVA, Ye.V., starshiy nauchnyy sotr., red.; POPOV, N.A., starshiy nauchnyy sotr., red.; FEDOROV, Ya.P., starshiy nauchnyy sotr., red.; ORLOV, B.A., starshiy nauchnyy sotr., red.; LABINOVA, N.M., red. izd-va; RAKHLINA, N.P., tekhn. red. [Selected works in three volumes] Izbrannye trudy v trekh tomakh. Kiev, Isd-vo Akad. nauk USSR. Vol.1. 1961. 353 p. (MIRA 14:10) 1. Deystvitel snyy chlen AN USSR ichlen-korrespondent AN SSSR (for Orlow). 2. Chlen-korrespondent AN USSR (for Aksent'yeva). 3. Poltavskaya gravimetricheskaya observatoriya (for Lavrent yeva, Popov, Fedorov). 4. Glavnaya astronomicheskaya observatoriya v Pul-kove (for Orlov, B.A.). (Astronomy) (Earth) (Latitude) (Orlov, Aleksandr IAkovlevich, 1880-1954)

ORLOV, Aleksandr Yakovlevich, zasl. deyatel' nauk USSR; AKSENT'YEVA, N.N., otv. red.; LAVRENT'YEVA, Ye.V., starshiy nauchnyy sotr., red.; POPOV, N.A., starshiy nauchnyy sotr., red.; FEDOROV, Ye.P., starshiy nauchnyy sotr., red.; ORLOV, B.A., starshiy nauchnyy sotr., red.; LABINOVA, N.M., red. izd-va; RAKHLINA, N.P., tekhm. red.

[Selected works in three volumes] Izbrannye trudy v trekh tomakh. Kiev, Izd-vo Akad. nauk USSR. Vol.3. 1961. 242 p. (MIRA 15:1)

1. Devstvitel'nyy chlen AN USSR, Chlen-korrespondent AN SSSR (for Orlov). 2. Chlen-korrespondent AN USSR (for Aksent'yev). 3. Poltavskaya gravimetricheskaya observatoriya (for Lavrent'yeva, Popov, Fedorov). 4. Glavnaya astronomicheskaya observatoriya v Pulkove (for Orlov).

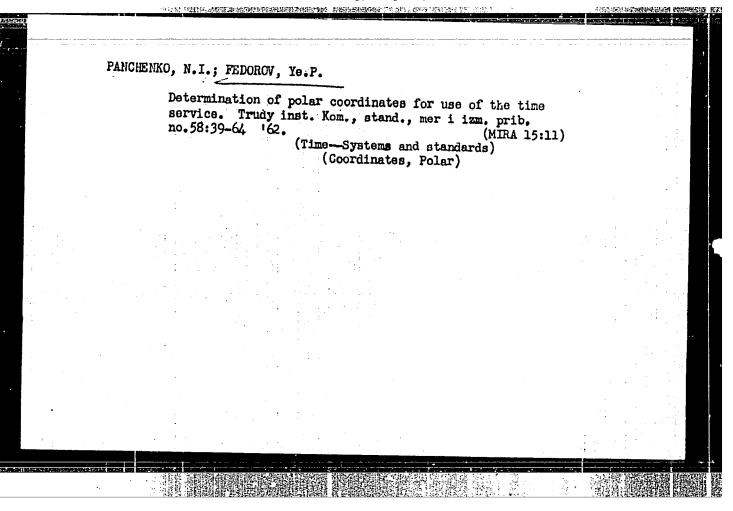
(Geophysics)

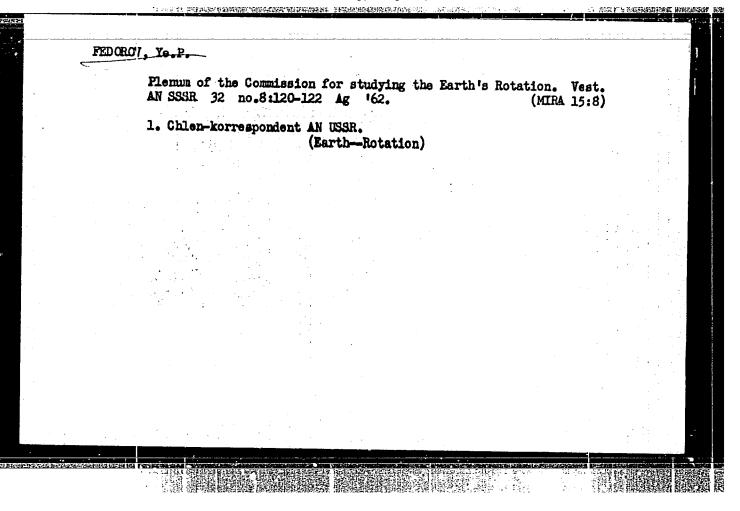
FEDNROV, Te.P. [Fedorov, IE.P.]; GLAGOLEVA, I.I. [Hlabolieva, I.I.]

Flattening of latitude observations. Dop. AN URSR no.4:473-477
'62. (MIRA 15:5)

1. Glavnaya astronomicheskaya observatoriya AN USSR. 2. Chlenkorrespondent AN USSR (for Fedorov).

(Astronomical geography) (Electronic digital computers)





FLEYER, A.G. otv. red.; PAVLOV, N.N., red.; PANCHENKO, N.I., red.; PODDBED, V.V., red.; FEDOROV, Ye.P., red.

[Rotation of the earth; materials of the expanded plenum of the Committee for the Study of the Earth's Rotation of the Astronomical Council of the Academy of Sciences of the U.S.S.R. on April 10-13, 1962, in Klev/ Vrashchenia Zemli; materialy rasshirennogo plenuma Komissii po izucheniiu vrashcheniia Zemli Astronomicheskogo soveta AN SSSR, Klev, 10-13 aprelia 1962 g. Kiev, Izd-vo AN USSR, 1963. 309 p. (MIRA 17:9)

1. Akademiya nauk URSR, Kiev. Holovna astronomichna observatoriya.

FEDOROV, Ye.P. [Fedorov, IE.P.]

In the depths of the planet. Nauka i zhyttia 13 no.10:
24-25 N '63. (MIRA 16:12)

1. Direktor Glavnoy astronomicheskoy observatorii AN UkrSSR, chlen-korrespondent AN UkrSSR.

FEDOROV, Ye.P., otv. red.; LUKATSKAYA, F.I., red.; GORYNYA, A.A., red.; KOLCHINSKIY, I.G., red.; EEREZINETS, L.P., red.

[Studies in the physics of stars and diffusion matter] Issledovaniia po fizike zvezd i diffuznoi materii. Kiev, Naukova dumka, 1964. 74 p. (MIRA 17:11)

1. Akademiya nauk URSR, Kiev. Holovna astronomichna observatoriya.

FEDOROV, Ye.P., otv. red.; CORYNYA, A.A., red.; KOLCHINSKIY, I.C., red.; LUKATSKAYA, F.I., red.; HEREZINETS, L.P., red.

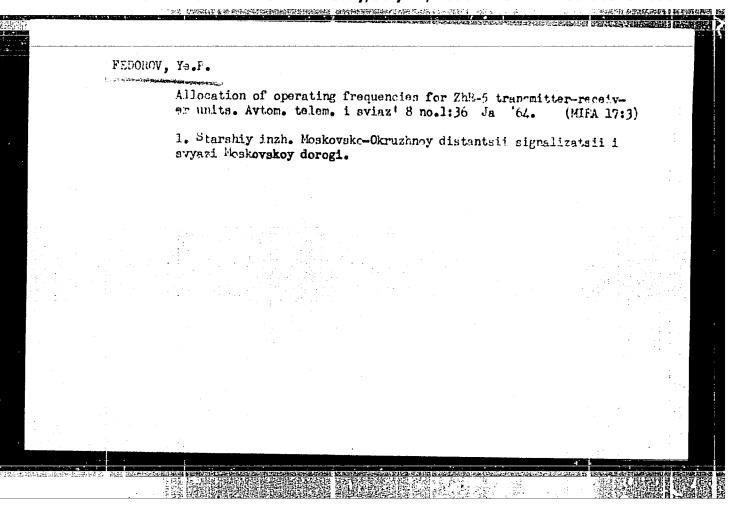
[Problems in astrometry] Voprosy astrometrii. Kiev, "Neukova dumka," 1964. 94 p. (MIRA 17:6)

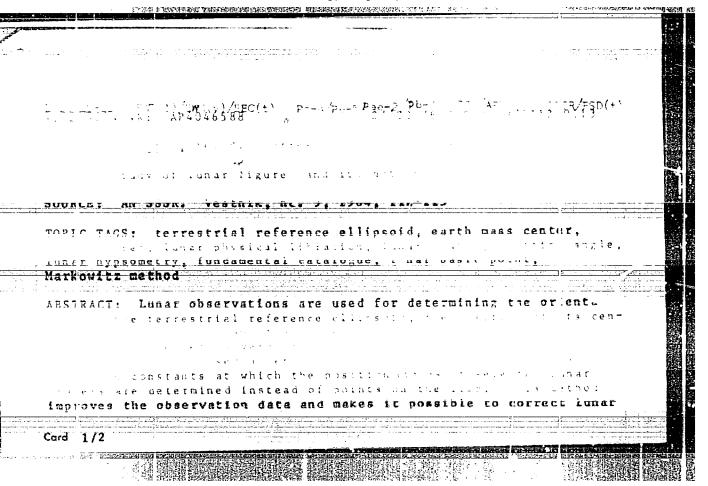
1. Akademiya nauk URSR, Kiev. Holovna astronomichna observatoriya.

KOVAL', I.K., otv. red.; FEDOROV. Ye.P., red.; GORYNYA, A.A., red.;
KOLCHINSKIY, I.G., red.; LUKATSKAYA, F.I., red.;
BEREZINETS.

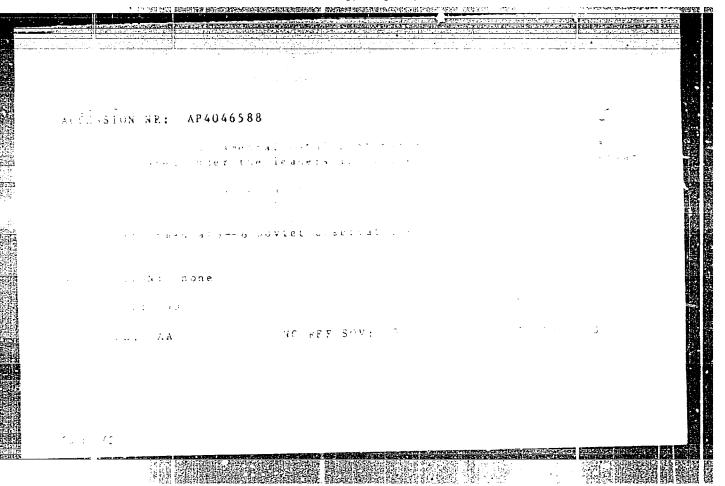
[Physics of the moon and planets] Fizika Luny i planet.
Kiev, Naukova dumka, 1964. 137 p. (MIRA 17:10)

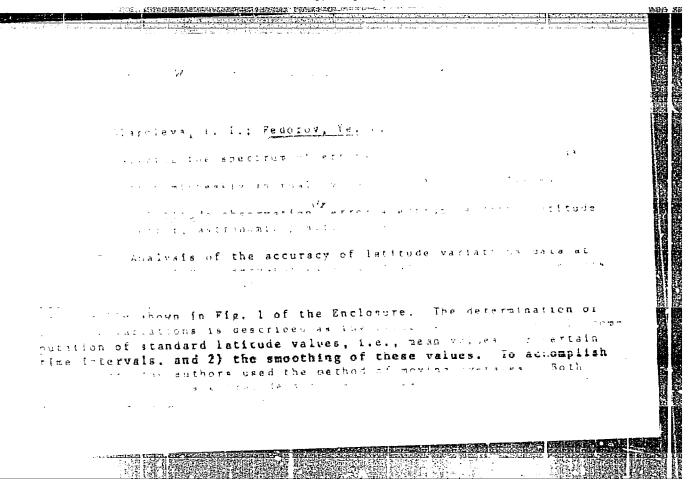
1. Akademiya nauk URSR, Kiev. Holovna astronomichna observatoriya.

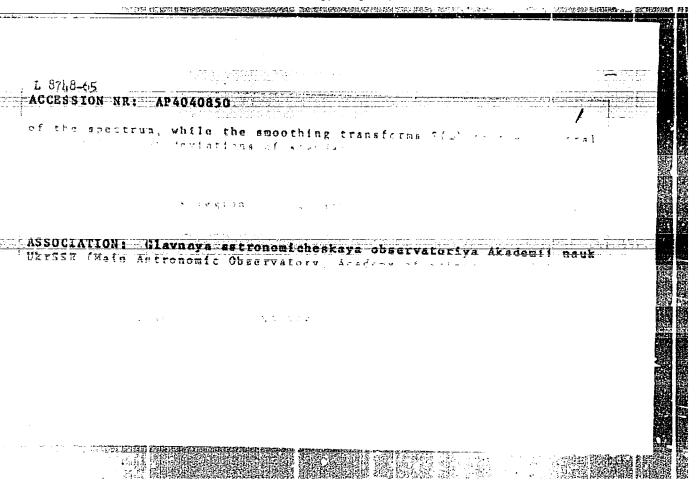


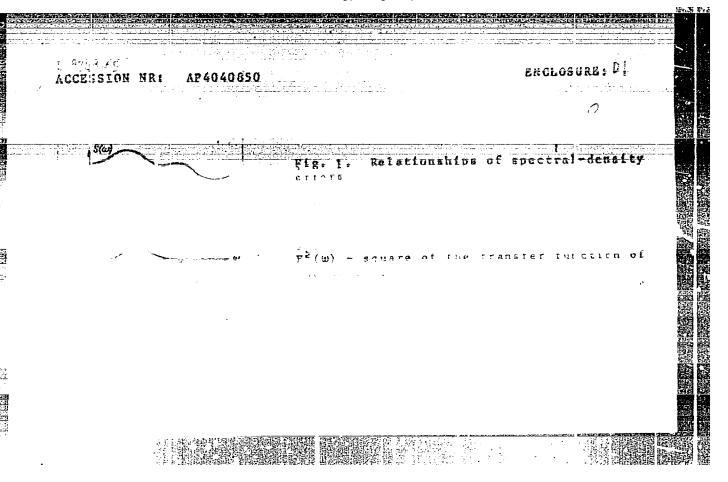


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KORSUN', A.A.; YAKUSHEVA, N.B.; YATSIKOV, Ya.S.; FEDOROV, Y. .P., otv. red.

[Results of observations with zenith telescopes in 1960-1963: Pulkovo, Gorkiy, Kitab, Poltava, Kazan, Irkutsk, Blagoveshchensk] Rezul'taty nabliudenii na zenit-teleskopakh v 1960-1963 gg.: [Pulkovo, Gor'kii, Kitab, Poltava, Kazan', Irkutsk, Plagoveshchensk.] Moskva, 1964. 50 p.

(MIRA 18:5)

1. Akademiia nauk URSR, Kiev, Holovna astronomichma observatoriia. 2. Chlen-korrespondent AN Ukr.SSR (for Fedorov).

FEDOROV, Ye.P., etv. red.; GCRYNYL, A.A., red.; KOLCHINSKIY, I.G.,
YEC.; LUKATSKLYA, F.I., red.; HEREZHETS, L.F., red.

[Spectrophotometric studies of active formations on the
sun] Spektrofotometricheskie issledovantia aktivnykh obrazovanti na Solntse. Kiev, Naukova dumka, 1964. 104 p.

(MIRA 17:12)

1. Akademiya nauk URSR, Kiez. Holovna astronomichna observatoriya.

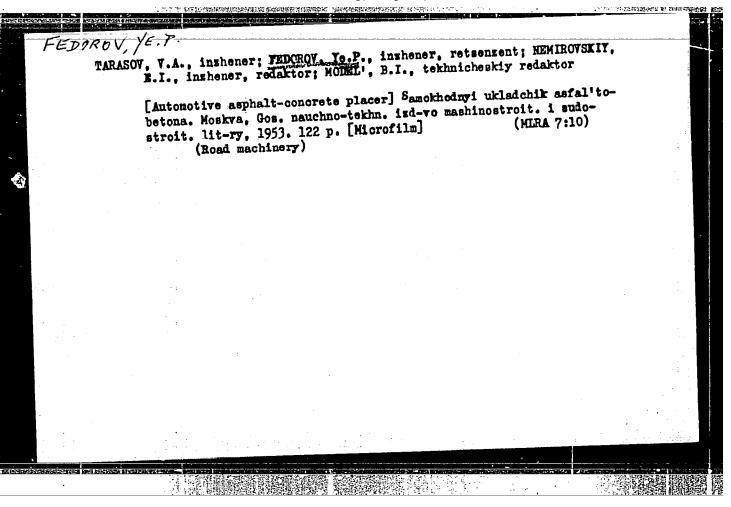
YAKOVKIN, A.A., otv. red.; FEDOROV, Ye.P., red.; AKSENT'YEVA,
Z.H., red.; BARABASHOV, N.P., rwd.; BOCORDSKIY, A.F.,
red.; CORVIVA, A.A., red.; KOVAL', I.K., red.;
KCLCHINSKIY, I.G., red.; TSESEVICH, V.P., red.;
KOVALENKO, L.D., red.

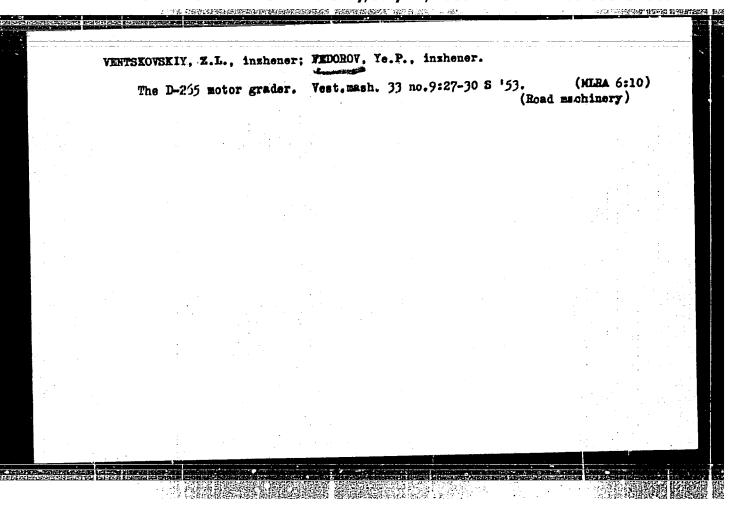
[Figure and motion of the moon] Figura i dvizhenie Lamy.
Kiev, Naukcva dumka, 1965. 135 p. (MIRA 18:7)

1. Akademiya nauk URSR, Kiev.

1. FEDCROV,	Œ. P., Eng.			1
2. USUR (600)	) [			
4. Road Mach				
7. deavy tra	iler grader D	-20B. Mokh. stroi. 9, No	. 10, 1952	
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9. Monthly	List of Russ	ian Accessions, Library o	Congress, Fernary	_1953. Unclassified.
2				

n. ROSTOISKIY.	V. K.; FEDCROV, YE. P., Engs.		
2. USSR (600)			•
4. Road Machine		•	
7. Self-propell	ed medium type grader D-265. Mekh.	troi. 9, No. 10, 1952	
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		,	
		•	
			. · ·
		• comment 1059	Unclassified.
9. Monthly Li	ist of Russian Accessions, Library o	Congress, reblumy 1750.	01101033212041
	· · ·		<u></u>
STATE OF THE TRANSPORT			





FEDROV, Ye.P., insh.

How D-426 automotive grader. Stroi. i dor. mashinostr. no.4:14-16

Map 158.

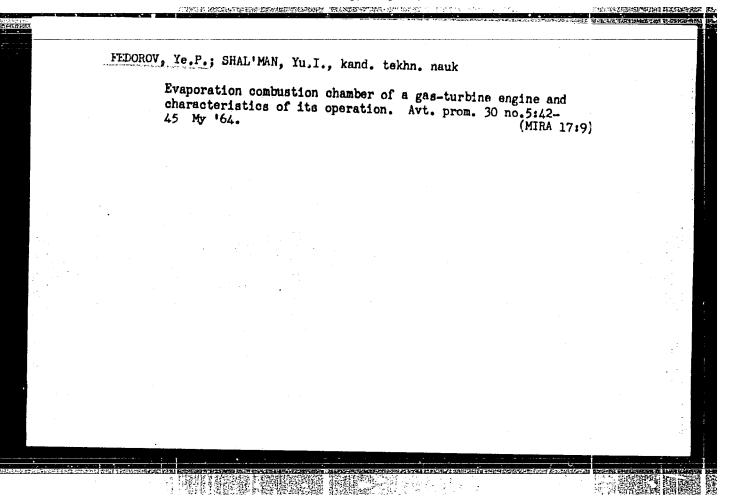
(Graders (Earthmoving machinery))

(Graders (Earthmoving machinery))

ANTIPOV, L.A., ingh.; LEZHEPEKOV, B.S., ingh.; STAVTSEV, B.N., ingh.; FEDCHOV, Ze.P., ingh.

Improving the design of motor graders at the Orlov Factory.
Stroi.i dor.mash. 7 no.2:7-9 F 162. (MIRA 15:5)

(Graders (Earthmoving machinery))



FEDOROV, Ye.P.; YATSKIV, Ya.s.

Causes of the spurious "bifurcation" of the period of the earth's free nutation. Astron. zhur. 41 no.42764-768
J1-Ag \*64 (MIRA 17:8)

1. Glavnaya astronomichopkaya observatoriya AN UkrSSR.

L 24770-65 ENT(d)/ENT(m)/ENP(f)/EPF(n)-2/1-2 Pu-L

ACCESSION NR: AP5001136

5/0113/64/000/005/0042/0045

AUTHOR: Fedorov, Ye. P., Shal'man, Yv. I. (Candidate of technical sciences)

13

TITLE: Vaporizing combustion chamber

of gas intidue engines and the features of their

of set # 201f

SOURCE: Avomobil'naya promyshlennost', no. 5, 1964, 42-45

TOPIC TAGS: gas turbine engine, vaporizing combustion chamber, fuel hydporation, carbon formation

ABSTRACT: In foreign gas turbine engines of low horsepower annular vaport the chambers are now being used instead of atomiser combuttion chambers are being manufactured in the U.S.A. England and Japan. The present paper such engines with slot, direct flow and other vaporizing chambers. The entire subdivided into fuel evaporation, flow of the steam-air mixture in the fire tube, and mixture basis of publications by W.D. Pouchet, I.R. Hamm, F.D. Williams, papers in the planet and "MFZ Journal", as well as a paper by I. Savar, M. Kunugi and H. Cinca. The results of taxis indicated that introduction of vaporized fire.

